

Title (en)

METHOD FOR IMPROVING MOTION ESTIMATION IN A MOTION PICTURE SEQUENCE WITH HALF PEL PRECISION

Publication

EP 0558922 A3 19931201 (DE)

Application

EP 93101352 A 19930129

Priority

DE 4206622 A 19920303

Abstract (en)

[origin: EP0558922A2] 2.1 For determining the motion vectors, the phase correlation method or the search method are generally used. The novel method is intended to improve the motion estimation in moving picture sequences. 2.2 Using an additional filter which causes a raster shift in the original raster, the search area is filtered in a first method step and the match block is filtered in a second method step according to the invention. This is followed by the actual matching process in the usual manner. 2.3 The method according to the invention is used particularly in the coding of picture sequences for the picture transmission from HDTV to videotelephony, in the interactive multimedia area or for a high-quality standards conversion for moving-picture scenes.

IPC 1-7

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IPC 8 full level

G06T 7/20 (2006.01); **H04N 5/14** (2006.01); **H04N 19/51** (2014.01); **H04N 19/523** (2014.01); **H04N 19/547** (2014.01)

CPC (source: EP)

G06T 7/238 (2016.12); **H04N 5/144** (2013.01); **H04N 19/51** (2014.11); **H04N 19/523** (2014.11); **H04N 19/533** (2014.11); **H04N 19/547** (2014.11); **G06T 2207/10016** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN (E-1197)6. Mai 1992 & JP-A-04 023594 (OKI ELECTRIC IND. CO.,LTD.) 27. Januar 1992

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